USER'S MANUAL

3600 HDD

SPECIAL FEATURES

Support for disks

- DVD, DVD-R, SVCD, VCD, CD, CD-R, CD-RW, MP3,MP4.

Karaoke support various functions

- **iFUN:** score intelligently for each singing.
- **iSTAR:** automatically adjust the tone appropriate with user's voice
- **iHARMONY:** use the use's voice in harmony and chorus
- Function of presetting the song and helps to preset 99 songs.
- The list of new songs.
- Favorite songs.
- Language is displayed in Vietnamese and English.
- Reserve the song and clear the reserved song as preference.
- Adjust the song's key and tempo appropriate with each voice.
- Increase/decrease the song's melody as desired.
- Install greetings/lines on the screen in Vietnamese.
- Score and applause as preference

Qualitative picture, transparent and clear sound

- Decoding technique MPEG1, MPEG2 and MPEG3, DIVX(Code3.11-5.0).

* Note: not support absolutely 100% for DIVX formats.

- High quality sound with digital effect.
- High quality picture (MPEG2).

Other special features:

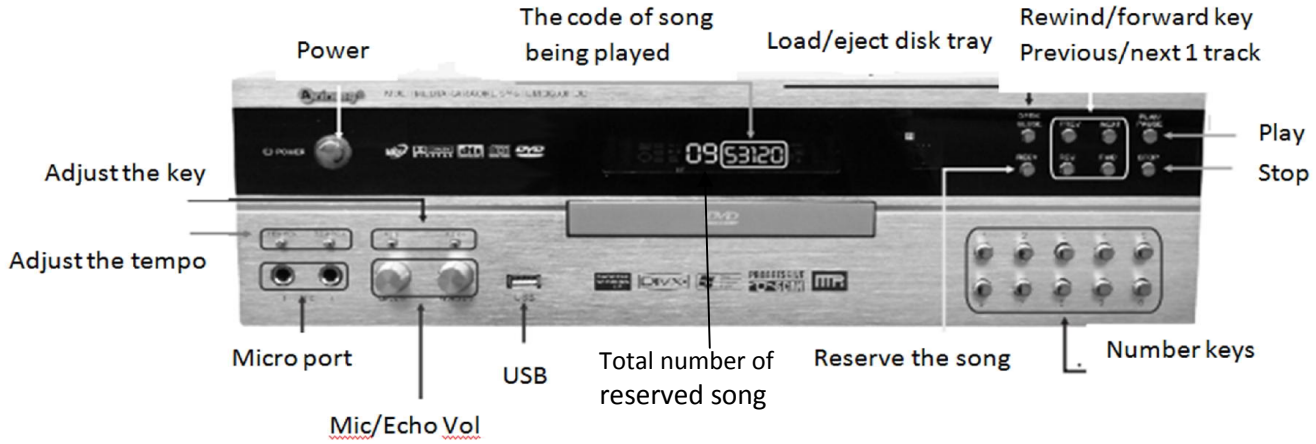
- Can copy data directly from disk to internal hard disk drive with a storage capacity up to **80 GB.**
- Can use picture from DVD disk as background picture in Midi Karaoke play.
- USB interface: record; play picture and audio data of all formats MP3,MP4,WMA,WAV…

DVD VIDEO

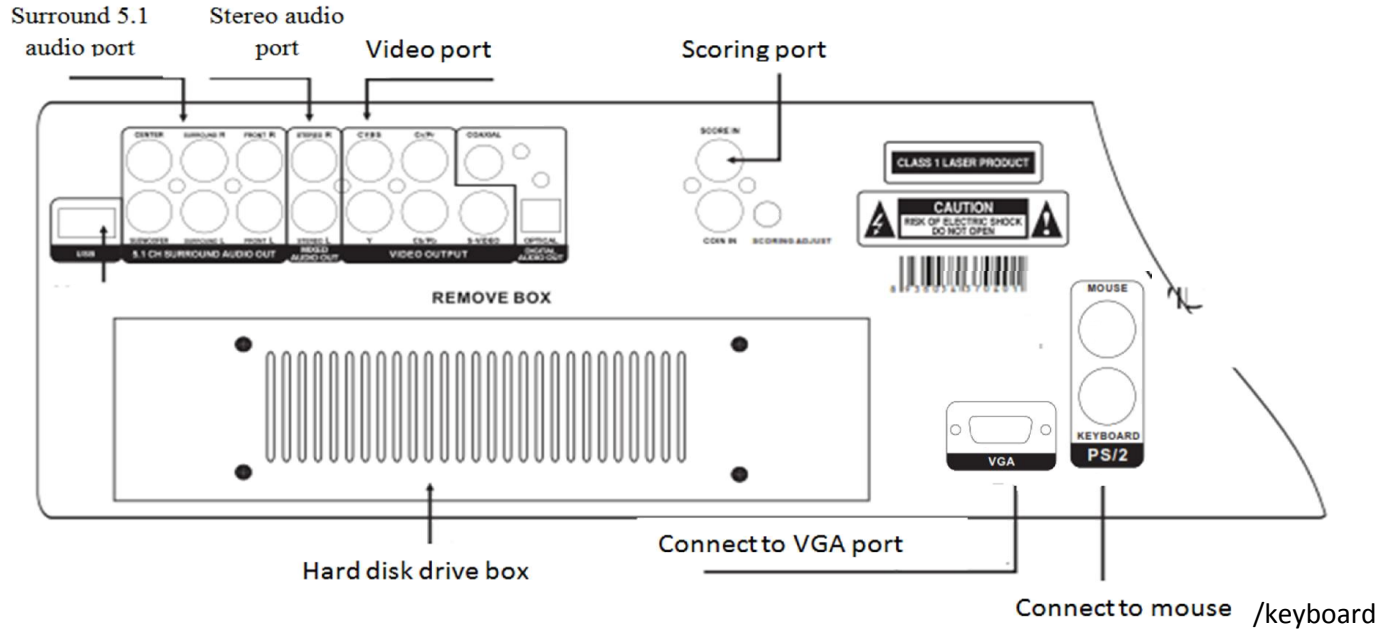
- DVD disc can play up to 135', including 8 languages and 32 different captions
- MPEG-2 helps compress picture with high quality sound; creates the great, lively audio and picture as in the theaters.

NAME OF EACH PART

Front panel



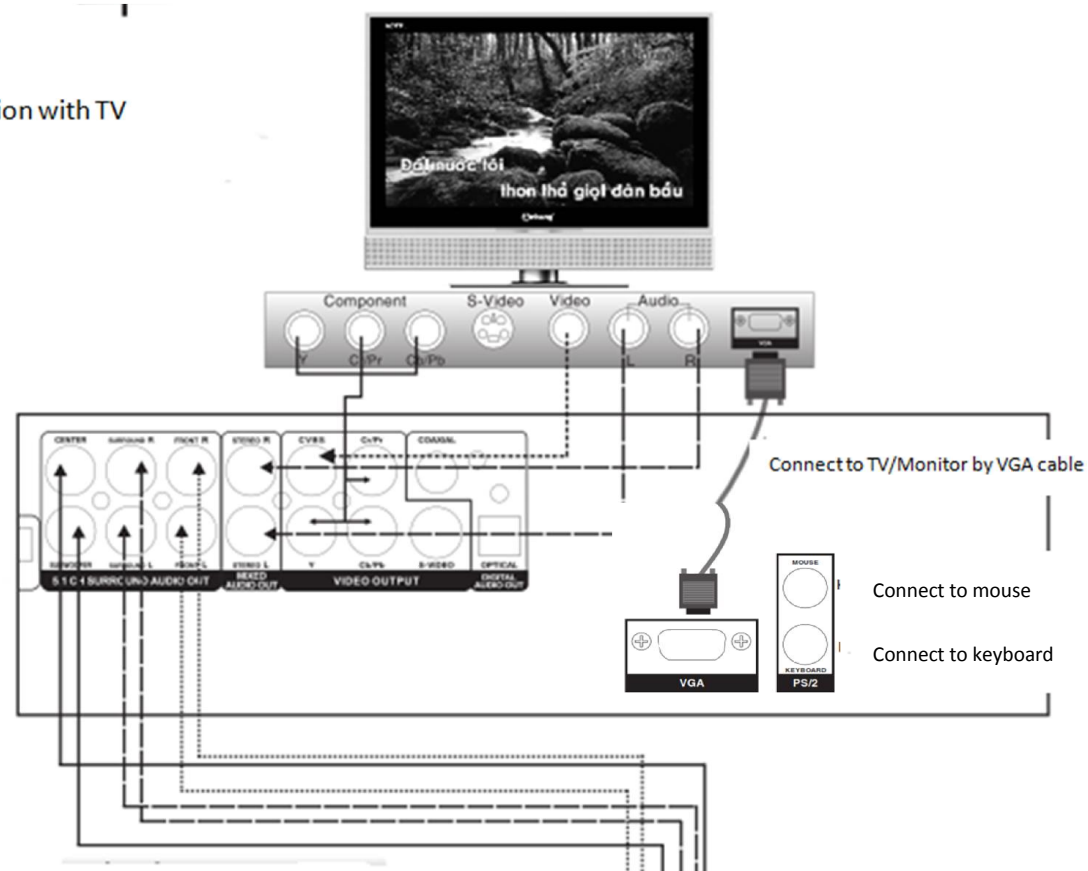
Rear panel



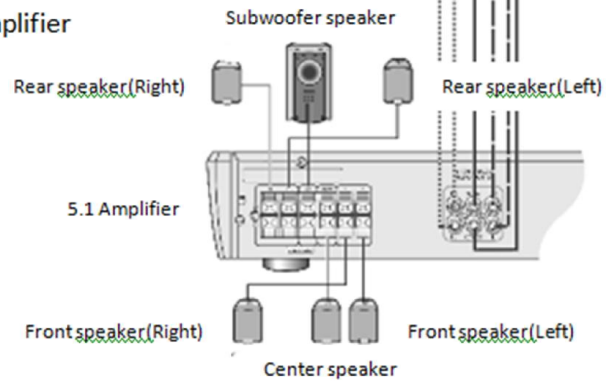
* Accessories:
- 01 Remote control
- 01 Pair of batteries
- 01 User's manual
- 01 Vietnamese song book
- 01 Set of AV cable (3 wires)

BASIC CONNECTION

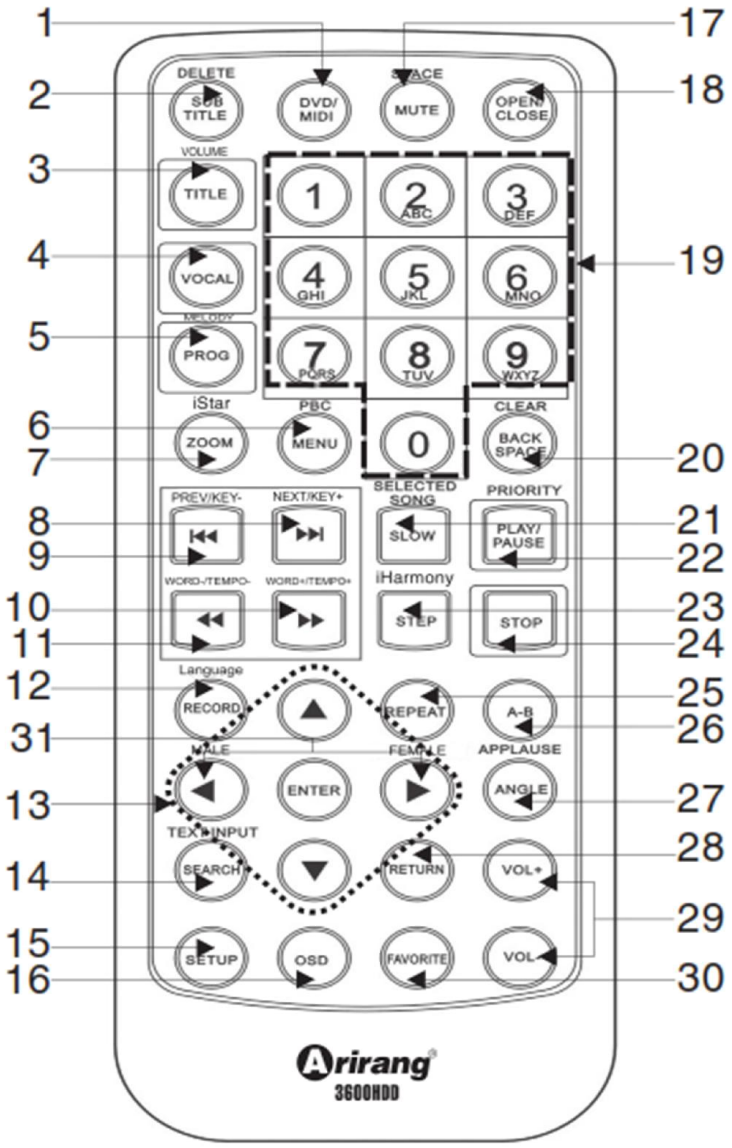
Connection with TV



Connection with 5.1ch Amplifier



REMOTE CONTROL



1. **DVD/MIDI:** change the play mode from disc or Midi Karaoke from hard drive
2. **DELETE/SUBTITLE:**
   + MIDI: function of delete the song in the list of songs being played (SELECTED SONG)
   + DVD: helps select displayed language (caption) (supported by DVD disk)
3. **TITLE/VOLUME:**
   + MIDI: move selected song to the priority (SELECTED SONG), use left/right key (MALE/FEMALE) to increase/decrease the chorus volume.
   + DVD: helps select TITLE in DVD play

4. **VOCAL:**
   +MIDI: helps turn on/off lyrics or chorus
   +DVD/VCD: select the voice-over language
5. **PROG/MELODY:**
   + MIDI: use MALE/FEMALE key to increase/decrease the melody volume
   + DVD/VCD: set the playlist
6. **MENU/PBC:**
   + MIDI: helps select MENU application
   +DVD/VCD: MENU of disc information and PBC feature (VCD 2.0)
7. **ZOOM/3D:**
   + MIDI: activate the iSTAR feature (off/normal/professional)
   +DVD/VCD: feature of zoom in picture (2x-5x)

8-9. NEXT/KEY +/PREV/KEY-:
   + MIDI: increase/decrease the song key
   + DVD/VCD: helps move to next/previous 01 Track/Chapter

10-11. WORD(TEMPO) +/-:
   + MIDI: increase/decrease the song tempo
   + DVD/VCD: fast searching to next/previous Track/Chapter

12. RECORD/LANGUAGE:
   + MIDI: record the song (see page 14, **Record the song**)
   + DVD/VCD: change of voice-over language

13. Move up/down, left/right in selecting the song (left/right (MALE/FEMALE) to previous/next page in selecting the song), or while setting the device, press ENTER to confirm the operation

14. SEARCH/TEXT INPUT:
   + MIDI: Select the song as per its title
   + DVD/VCD/CD: can fast searching to the desired time (VCD 2.0(PPC OFF))

15. SETUP: set the device's configuration

16.OSD: Display the disc information being played

17. SPACE/MUTE: add 1 space in greeting installation (MIDI), interrupt sounds in device play

18. OPEN/CLOSE: load/eject disk tray

19. Keys of number/alphabets: helps select the code of the song or search for the song as per the alphabet abc… (MIDI)

20. BACK SPACE/CLEAR: Clear a character incorrectly entered in searching the song or clear the code of the song incorrectly entered

21. SLOW/SELECTED SONG:
   + MIDI: the list of songs being reserved, select the song and press ENTER/INSERT to reserve in the priority
   + DVD/VCD: Slowly play the pictures

22. PLAY/PAUSE/PRIORITY: store a song in the priority in Midi Karaoke use

23. STEP/iHARMONY:
   + MIDI: iHARMONY feature (see page 1)
   + DVD/VCD: Slowly play each picture

24. STOP: stop the song being played and move to the next song (MIDI)

25. REPEAT: repeat the song being played

26. A-B:

+ MIDI: Change of background picture in Midi play including the background picture of DVD disc

+ DVD/VCD: Repeat a selected A-B section of pictures

27. ANGLE/APPLAUSE:

+ MIDI: Effect of applause

+ DVD/VCD: helps see the effect of angle in DVD use (must have support)

28. RETURN: return to previous operation

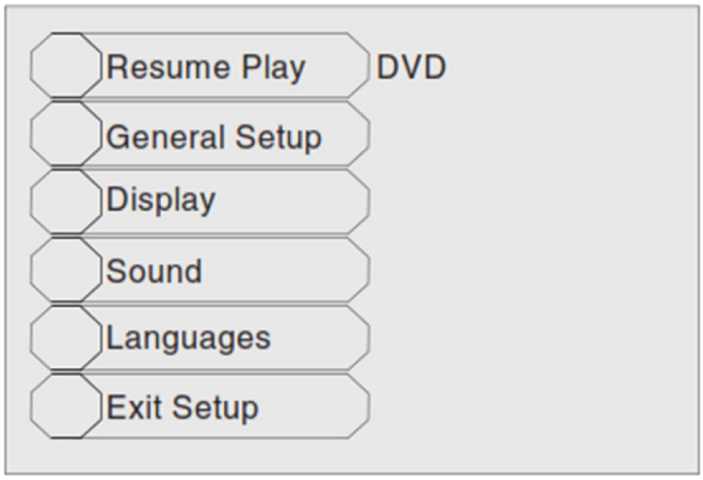
29. VOL +/-: increase/decrease the volume in play

30. FAVORITE: Make the list of favorite songs (MIDI) (See page 8 **I. The song**-7. Favorite song)

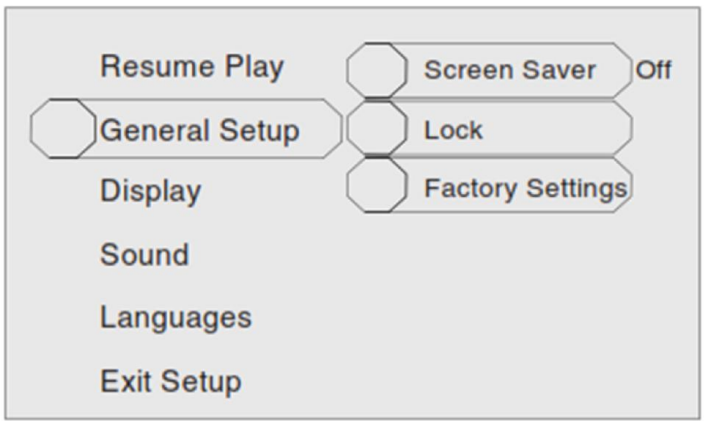
31. MALE/FEMALE: Select male/female tone

CONFIGURATION SETTING

- Press DVD/MIDI key to move to disc play (VCD/DVD), press SETUP to enter the configuration



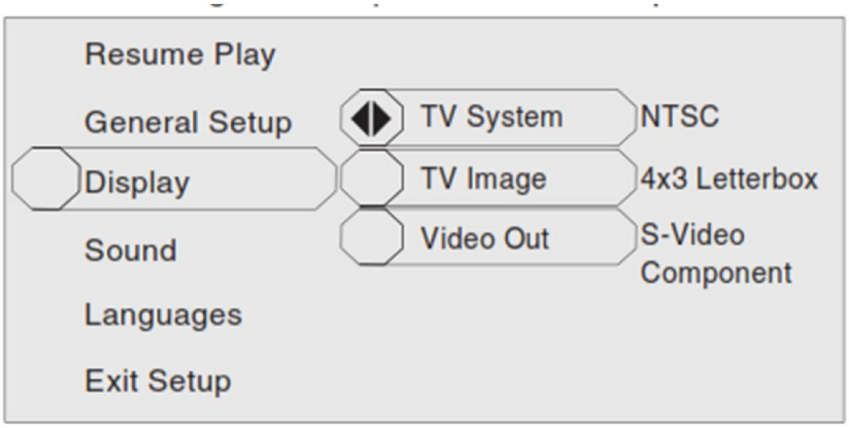
1. **General Setup:** helps adjust some main features



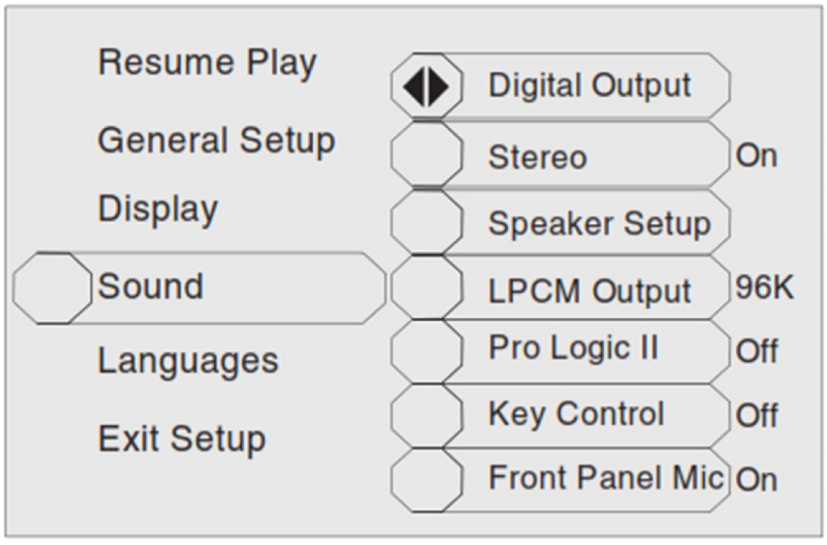
- **Screen Saver:** mode of playing program automatically to save the screen when the device is in pause
- **Lock:** select the scale to lock the children (supported by DVD disk) (Password: "**7890**")
- **Factory Settings:** restore the original settings

2. Display: helps adjust the displayed mode on TV

- **TV System:** set the color system to match with the device being used (TV)
  + Auto/NTSC/PAL
- **TV Image:** set the rate of picture display on screen
  + 4x3 Letterbox/ 4x3 Standard/ 16x9 Widescreen
- **Video Out:** S-Video/Component signal output



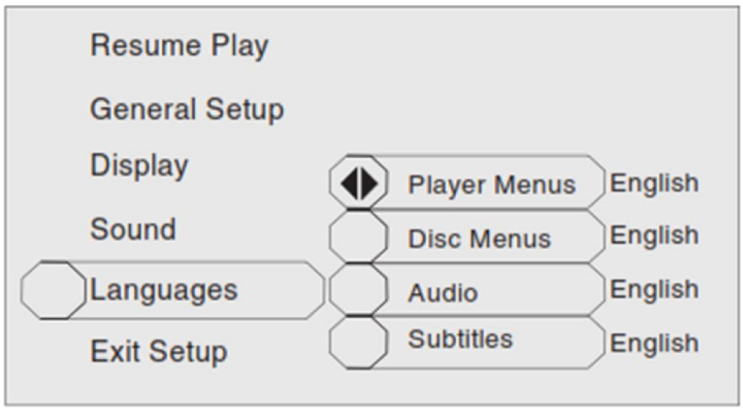
3. Sound: helps select audio output



- **Digital output**: 5.1ch audio
  + Dolby Digital
  + DTS
- **Stereo**: when turn off this feature, the device will change to 5.1ch mode

- **Speaker Setup:** set 5.1ch audio FL,FR,SL,SR,CENTER,SUBWOOFER
  + Speaker: small/large
  + Distance: 1.0M~6.6M
  + Volume: 0dB~ -10dB
- **LPCM Output:** 48K/96K
- **Pro Logic II:** virtual sound emulator for some effects in playing DVD movies
- **Key Control:** helps adjust high/low tone
- **Front Panel Mic:** on/off micro signal

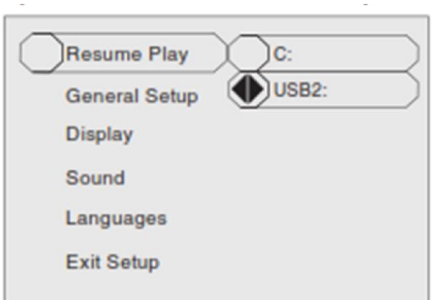
4. **Languages:** set the displayed language in English/Chinese

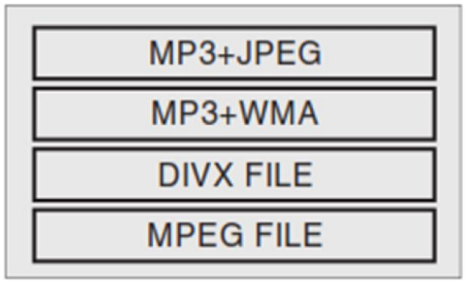


- Player Menus: set the displayed language for the device
- Disc Menus: set the default language for disk (supported by DVD disk)

USB CONNECTION

- When the device is playing CD\VCD\DVD disc, carry out the USB connection. The device will automatically identify. Press SETUP select USB to read file from USB.



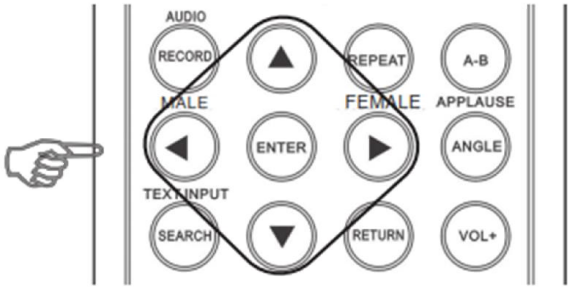


- MP3+JPEG: With this feature, the device is both playing mp3 and playing picture of format Jpeg
- MP3+WMA: read all the file Mp3 and Wma on the USB
- DIXV FILE: read the files of format mp4 (*.divx*.avi)
- MPEG FILE: read the formats of VCD file (*.mpg*.dat)

BASIC OPERATION IN KARAOKE USE

1. Can select the song by pressing directly the specified code in the “Song Book” attached, can preset 99 songs
   - Input the code of the song to be played and press “PLAY/ENTER”
   - In case of incorrect input, press BACK SPACE/CLEAR key to clear
   - Press “ENTER” key to store the song to be preset
2. Can store the song in the priority in case of having a number of songs previously selected
   - Input the code of the song to be preset corresponding to the code in the “Song Book”
   - In case of incorrect input, press CLEAR key to delete
   - Press “PRIORITY (PLAY)” key to store the song in priority

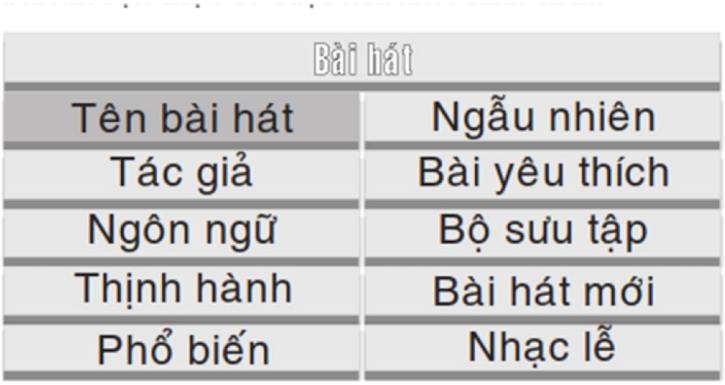
- Press “OSD” or “MENU” to enter to the main menu of the device
  + Press ENTER to approve and press RETURN to return to previous operation
  + Press Up/Down key to select the item to be adjusted and press Left/Right key to change the parameter



I. The song: can select and search for a song in the list set in the device

1. **Song title:** include all of the songs in Vietnamese/English/Chinese/Korean…
2. **Author:** List of author’s name and the songs of each author
3. **Language:** List of songs of each country (Chinese/English/Vietnam…)
4. **Song sung the most:** List of songs be played in many times

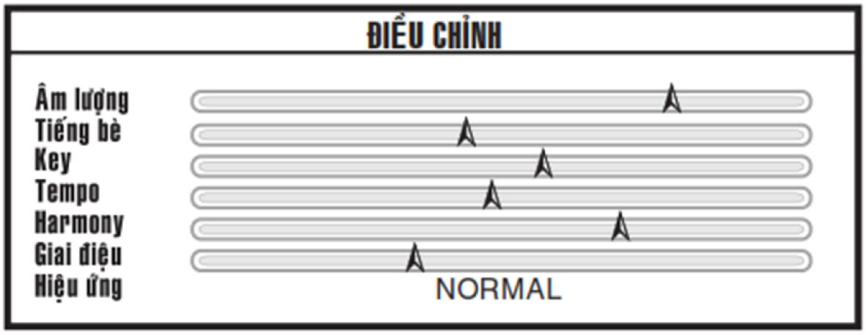
5. **Popular:** songs in general favorite
6. **Random:** feature of randomly play the song in vocal/ no vocal/ all the songs
7. **Favorite song:** List of favorite songs set by the user. To have the list of songs, do as follow:
   + When the device in stop mode Press Menu→ Song→Song title→ For example, to select the song "1,2,3 NGÔI SAO"→ press Up/Down key to move to the song→ Press FAVORITE→ Press ENTER to approve
   + To clear the song in the list when the device in stop mode→Press MENU→Song→Favorite song→Press Up/Down key to select the song to be deleted→ Press FAVORITE→ Press ENTER the selected song will be deleted from the list



8. **Collection:** default folder that users can select to view the file copied to the device
   + Karaoke: List of picture files (VCD,DVD) copied to the hard drive
   + Music: List of files in audio format (CD/MP3)
   + Movie: List of files (VCD,DVD)
   + Recorded song: List of recorded songs
9. **New song:** List of new songs updated in each VOL
10. **Festival music:** List of songs be sung in festival (Happy new year, happy birthday…), only support for Chinese/English

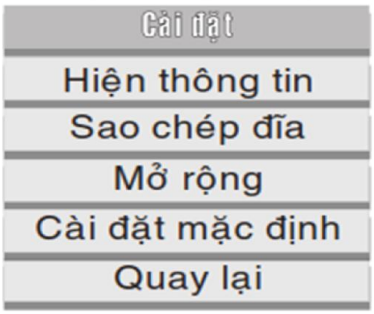
II. Adjustment: adjust some Karaoke features, use up/down key to select and Left/Right key to increase/decrease. Feature only has the effect in MIDI play.

+ Volume: increase/decrease the volume
+ Chorus: increase/decrease the chorus
+ Key: select high/low key
+ Tempo: fast/slow tempo of the song
+ Lyric: increase/decrease the lyric of the song
+ Harmony: increase/decrease the feature of using user's voice to make chorus
+ Effect: some default audio effects (Normal/Rock/Classic/Stadium/Disco/Plaza/Jazz)



III. **Installation:** set Karaoke feature. The default password when log in: "**000000**"

1. **Display the information:** user can adjust some applications like display the score, score scale, color system…



Name	Adjustment	Explanation
Color system	PAL/NTSC/PS_PAL/PS_NTSC	Select the TV color system: PAL/NTSC
Displayed language	English/Vietnamese	Select the displayed language for the device
Font type	Seng sim/Seng com/Black sim/Black com	The displayed front type in main menu
Font type of the vocal	Seng sim/Seng com/Black sim/Black com	Only support for Chinese
Greetings on the screen	5 minutes/10 minutes/30 minutes/1 hour/3 hours/off	Time to display the greetings
Standby mode	10 minutes/30 minutes/1 hour/3 hours/off	Randomly play Midi song
Status bar	On/off	Information of the song
Transparent scale	0-15	Transparent degree in Menu setting
IStar	Off/Normal/Professinal	Adjust the voice to appropriate with the tone
IHarmony	Off/On/Automatic	Use the voice to make chorus
Display the score	On/off	Feature of display the score
Cheer scoring	Off/Non-professional/ Normal/Professional	Feature of cheer scoring
How to score	Mic in/Free	Select the way to score
Lowest score	00-20-40-60-80	Lowest score scale

Highest score	96-97-98-99-100	Highest score scale
Mode of picture play	DVD/HDD	Background picture played from DVD/HDD
Position of picture play	Beginning/Free	Select the background picture to play
Recording quality	High/Low	Quality of recorded audio
Recording output	HDD/USB	Place to store the recorded song
Display the vocal	On/off	The vocal in Midi play
Standby mode of MTV	On/off	Randomly play VCD/DVD from HDD
Empty Midi		The empty capacity of MIDI
Software version	3300033	Information about the software of the device
Serial number of the device	FF…….F (15 numbers)	Information about serial number of the device
Serial number of hard disk drive	Xxxxxxxxxxxxx…..x (32 characters)	Information about serial number of hard disk drive

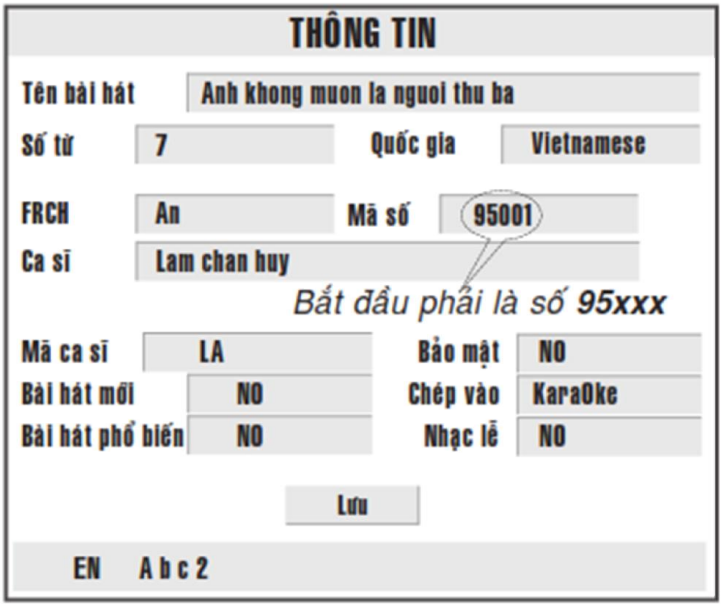
2. **Copy disk:** feature helps the user copy files from DVD/VCD/CD/CD-ROM/USB to HDD, including the file formats Mpeg1/Mpeg2/Mp3/Wav/Avi…

- The left frame is the list of selected songs; the right frame is all the songs of disc

* The feature of key in the process of copying:

Up/down key	Move up/down to the position
Left/right key	Move to previous/next page
PLAY	Play the selected song (not read file DVD (VOB) from USB)
STOP/NEXT	Stop playing
ENTER	Move the song to the list of selected songs and if the song was included in the selected list, it will be deleted from the list
WORD+/-	Select/Delete all the songs in the list
MENU	On/off Menu being played
RECORD	Start recording
OPEN/CLOSE	Exit and no song be copied
SELECTED SONG	Song information

- To change the song information when copying, press SELECTED SONG key to add information



Song title	Set the song title
Number of word	Information about the number of word in the song
Nation	The song belongs to the nation that users choose
FRCH	The first characters of the song
Code	Select the song fast by using the code (**95xxx**) (not coincide with the specified code)
Singer	Singer's name
Code of singer	First characters of singer
Security	Set security feature
New song	The song will be in the new song section
Copied to	Karaoke/Movie
Popular song	The song will be in the popular song section
Festival song	The song will be in the festival song section
Store	Store all the features

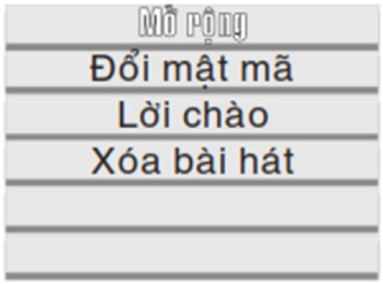
- Feature of the key:

Up/down key	Move up/down to the position
Left/right key	Change the parameter
Selected/Return	On/off information page
Text input	Text input only supports for Vietnamese/English/Chinese(only have effect in the

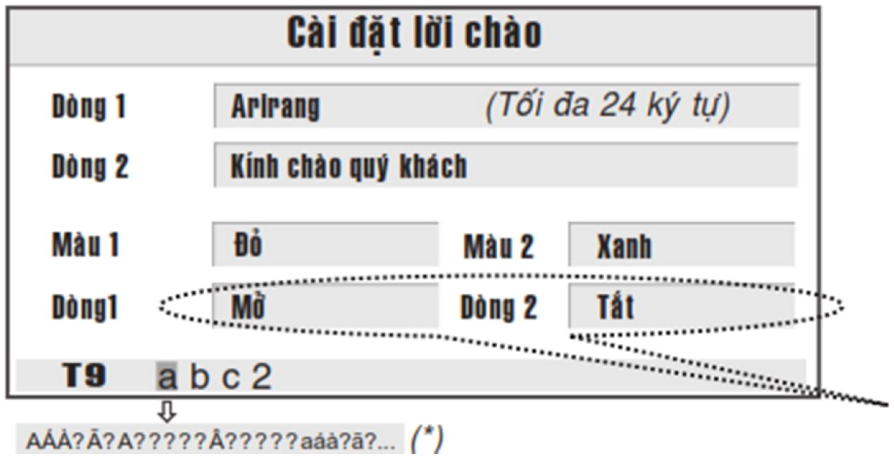
	section “Song title” and ”Singer”)
Mute(Space)	Input the space
Key of numbers (0-9)	Use left/right key to move, press ENTER to select, press WORD+/- key to move to the other characters

- After finish inputting the information, move to “SAVE” key press ENTER to store and press RECORD to continue copying the file to hard drive

3. **Extension:** set some defaults like change the code, install the greetings, and delete the song…



- Code change: helps set the specific code (default:”**000000**”)
- Greetings: can install the greetings, helps on/off the greetings with the colors blue/yellow/pink/ red



Display or not

* To install the greetings, use the number keys corresponding to the specified characters:
For example: to install Arirang text, do as follow:

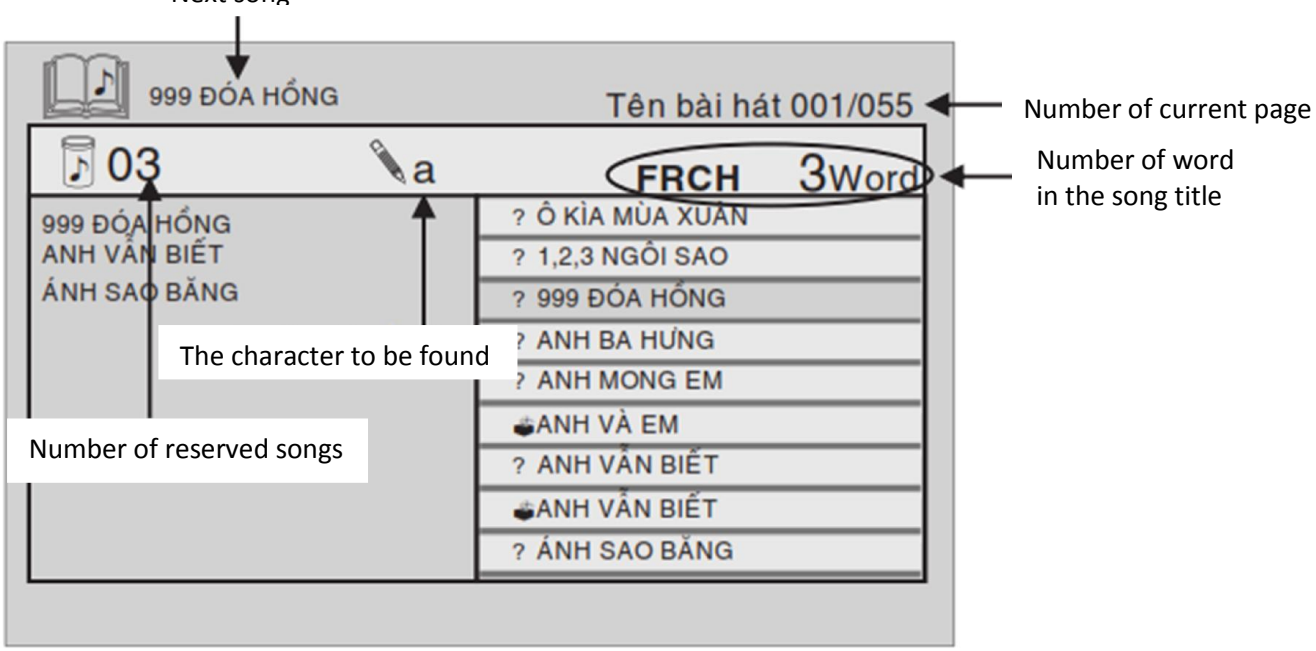
+ Press up/down key to select line 1→Press number 2→Press Male/Female key to move left/right select character a→ Press Enter→ Select character A→Press Enter→Press number 7→Press Male/Female→Select character r→Press Enter…

+ Press Word +/- key to move to other characters, continue installing the next character. Perform the similar steps for line 2(*)

- Clear the song: help the users delete the copied files in hard drive; have 2 ways to delete the data:
    + Option 1: delete all the copied files in hard drive
    + Option 2: helps delete each file as preference
    * For example, to delete a VCD file as option 2 in Karaoke section, do as follow:
    Press Setup→code:"**000000**" →Extension→Clear the song→required to press number 1 or 2 to select the way to delete→press number 2→select Karaoke section→the list on the right displays all the files in the device, select the file to be deleted→***press Enter to move this file to the list on the left***→press Delete to delete

4. Default setting: Restore to manufacturer's default setting

FAST SEARCHING FOR A SONG AND AUTHOR



- Fast searching for a song is taken in a few simple steps without using the "Song Book"
- For example: to fast searching the song "Bản hùng ca chim lạc", do as follow:
  * Press Menu→Song→Song title→Press number 2 until displaying character B→Press Word+ to increase the word because the song has 5 words so we press 5 times→the right frame will list all the songs having 5 words press Up/Down key to search for the song to be found then press ENTER to play
- Perform the similar steps for author search

RECORD THE SONG

(Only support for device having VGA)

- Select the recording output USB/HDD; if record to USB, plug USB in the front/back side of the device:
  * Press Setup→Code:'**000000**'→Display information→Press ENTER→Recording output (select place to store the recorded song)→Press Setup to exit→Input the song code to be recorded (for example: to record the song "Bản hùng ca chim lạc", input:"52718")→Press ENTER→Press RECORD→Plug Micro in the front side of the device and sing to record. When the song is finished, the device will automatically store the song in list of recorded songs→ Press RECORD again to cancel recording

* Note: Record ahead by micro to have echo effects, turn off VOCAL/CHORUS, adjust Equalizer before recording

- To replay the recorded song→Press MENU→Song→Collection→Recorded song, select the song to be replayed→Press ENTER
- To delete some or all the songs (see page 13, section "Delete the song")

NEW SONG UPDATE

- New song will be updated in 2 ways: from USB or from CD-ROM, the new VOl data will be copied to USB or CD-ROM. If new VOL is copied to USB, plug USB in the back side of the device, turn off the device and then turn on the device, it will automatically identify the file in new VOL and require the user to press ENTER on the remote control. The device will automatically update. After finish updating, the device will automatically restart.
- The similar steps for CD-ROM

* Note: To update new song, the user has to **provide the hard disk serial number consisting of 32 characters available in the device (see page 10-1.Display information)** to easily create the program update; the manufacturers have printed the serial number attached at the back side of the device or on the warranty, please check this serial number by comparing to the serial number displayed in the device, have two ways to record the serial number:

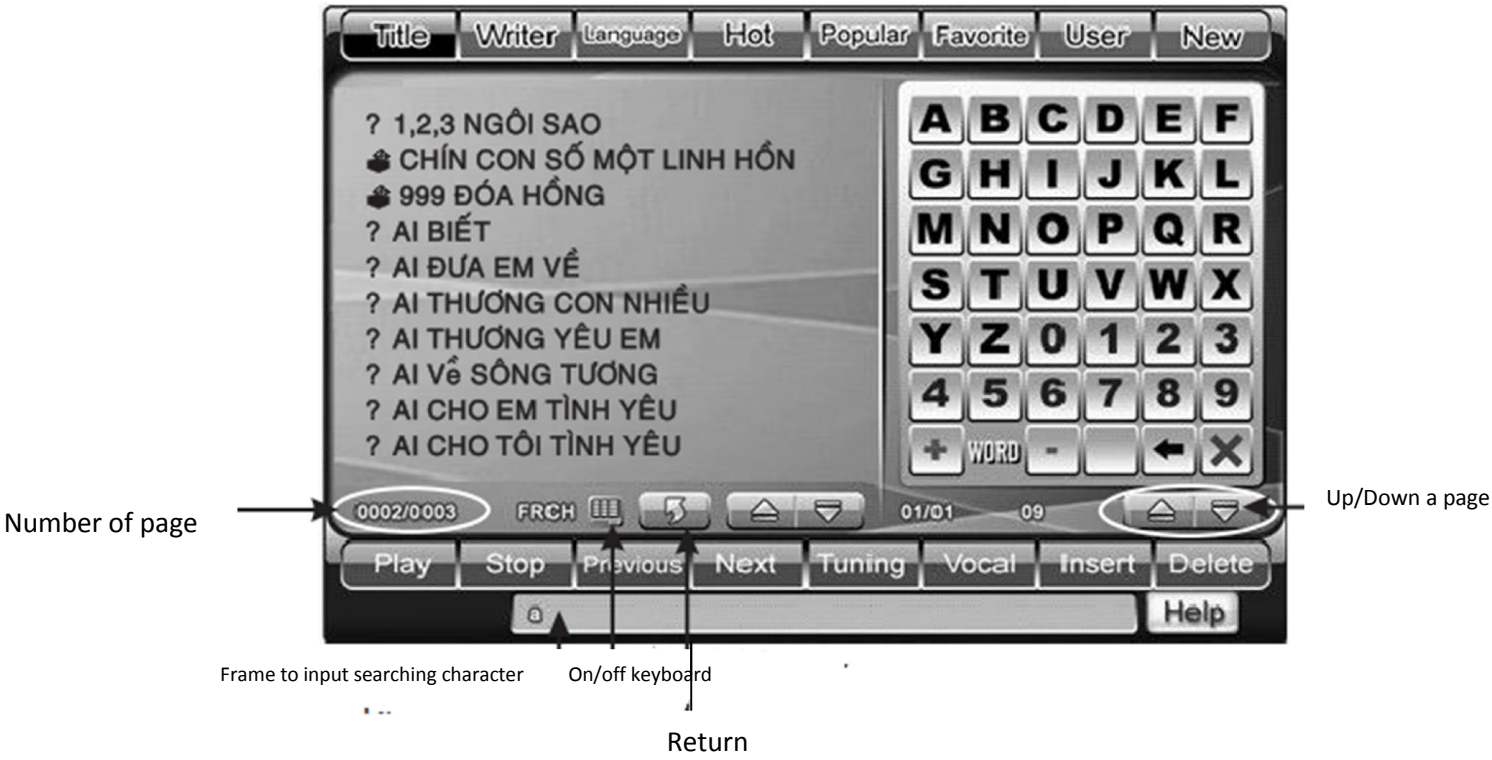
+ Option 1: Press Setup→code:"**000000**"→Display information→Press ENTER→Press down key to move to the section of HDD serial number and record the serial number
+ Option 2: Turn off the device→Plug USB into USB port at the back side of the device→ Turn on the device and wait the device to boot; the device will automatically create a text file (serial.txt) on the USB containing hard disk serial number of 32 characters→ Draw out the USB

VGA MENU

(Only support for device having VGA)

I. Signification and feature of menu

1. Title



- Title: Song title
- Writer: Author's name
- Language: Language
- Hot: Song sung the most
- Popular: Popular song
- Favorite: Favorite song
- User: Collection
- New: New songs updated in Vol
- Play: Play

-Stop: Stop playing to move to next song

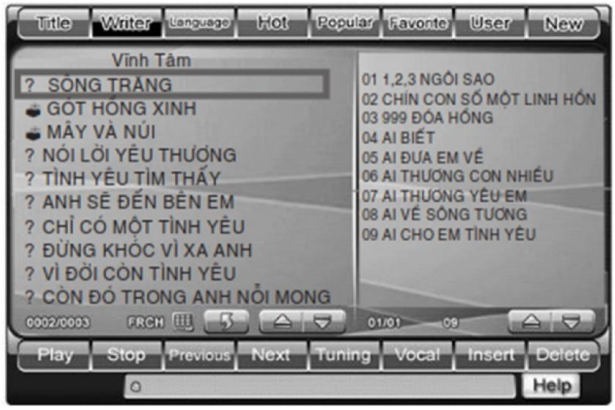
- Previous: Play the previous song
- Next: Play the next song in the list

-Tuning: Adjust some audio features of Karaoke

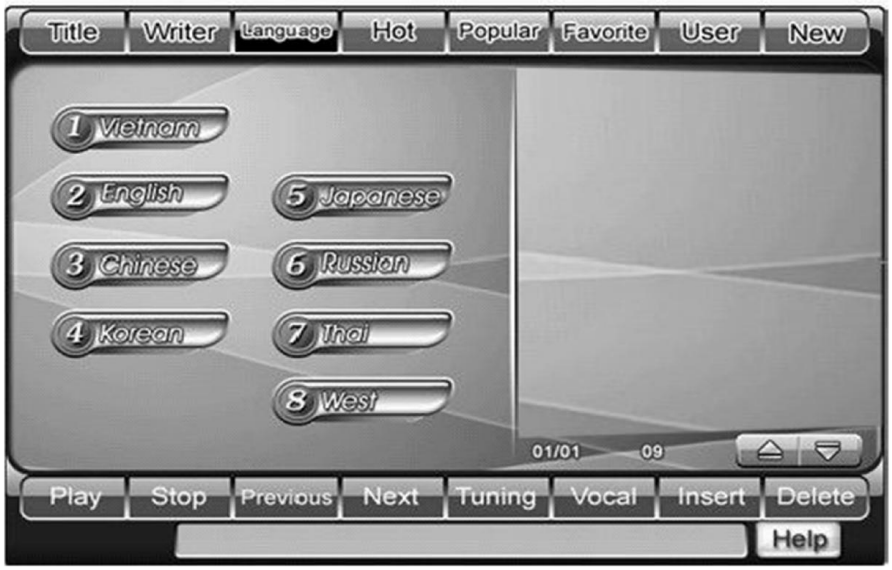
+ Music Vol: increase/decrease the audio
+ Vocal: increase/decrease the vocal
+ Key: select high/low key
+ Tempo: fast/slow tempo of the song

+ Melody: increase/decrease melody of the song
+ Sound field: some default audio effects (Normal/Rock/Classic/Stadium/Disco/Plaza/Jazz)
- Vocal: on/off the vocal
- Insert: move the song to the priority
- Delete: select and delete the song in selected list

2. **Writer:** only support for searching the Vietnamese authors
   + For example: to search for the author Vĩnh Tâm, because the author's name has the first two characters "V" and "T", input "vt", the device will automatically list all of the author's name with two characters beginning VT, perform the similar step for the other authors

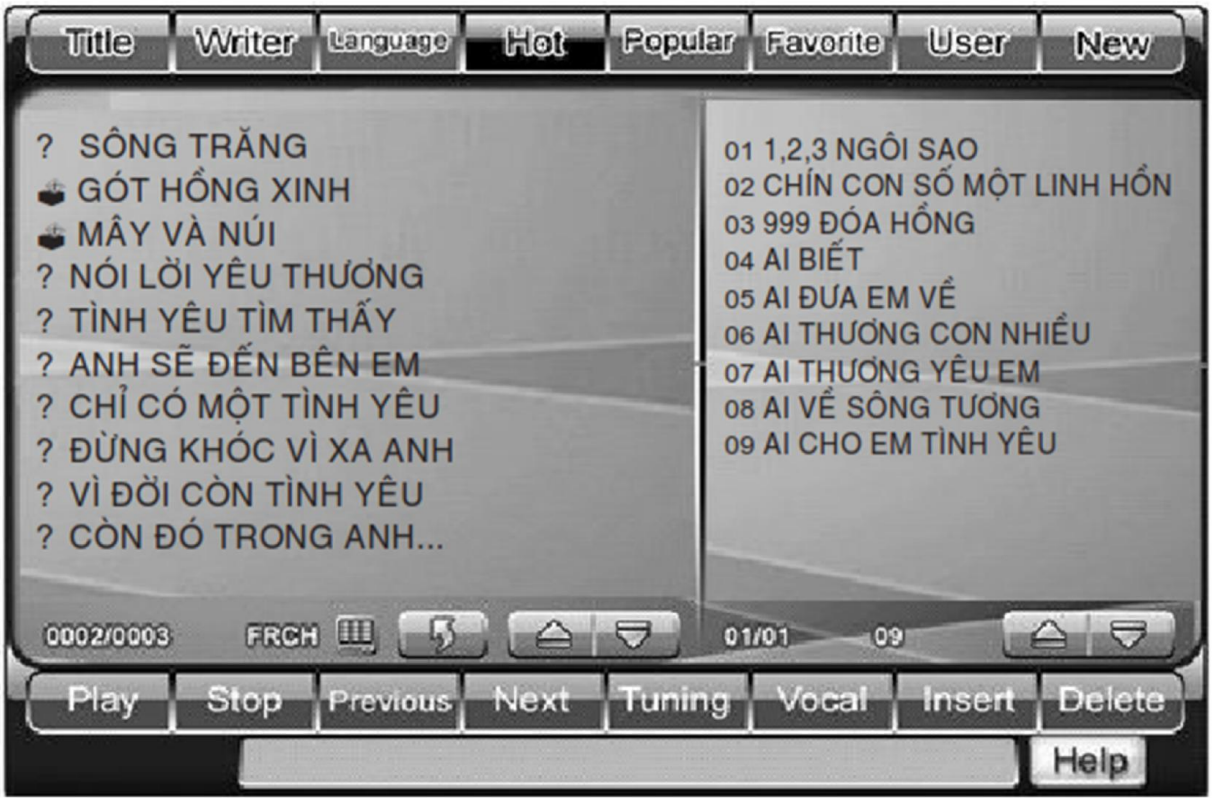


3. **Language:** song list of each country, only support for Vietnamese /English/ Chinese/ Korean/Janpanese



4. **Hot:** list of hot songs sung the most, the device will automatically store songs sung the most in list of hot songs, approximately 100 songs

5. **Popular:** List of popular songs



6. **User (Collection):** include private Karaoke, Movie, Mp3 folders of the user

7. **New:** List of new songs updated in VOL

II. Basic operation in VGA menu

1. **Feature of key on keyboard:**
   + Home: on/off keyboard
   + Tab: Change of feature
   + Up/down key: move to the position to be selected
   + Insert: move the song to the top of the list
   +Delete: delete the selected song
   + Enter: select the song
   + Page Up/Down: up/down a page
2. **Mouse operation:** click left mouse 2 times to select the song
   + Click left mouse on Insert key on the screen to move the song to the first position, press Delete to delete
   + If the users want to select the song but the keyboard being displayed, press Home key or press the symbol “X” to turn off

3. **Tuning:** see page 15. Click left mouse or press up/down, left/right key to select. Press ESC or the symbol “X” to turn off Tuning

Title
Writer
Language
Hot
Popular
Favorite
User
New
Music Vol
Vocal Vol
Key
Tempo
Melody
Sound Field
01/01
09
Play
Stop
Previous
Next
Tuning
Vocal
Insert
Delete
Help

TROUBLESHOOTING

TECHNICAL PROBLEMS	SPECIFIC	REPAIR
Not eject the disk tray	- The power-source cable not plug in	Plug the power-source cable in
The device not playing	- Not have disc in drive - Disc placed in opposite side - Disc is too dirty or scratched	- Put disc in drive - Select the correct disc side - Clean disc or change disc
No audio	- Not connect to Audio cable - Amplifier not operate - Disc is too dirty or scratched	- Connect to Audio cable -Check Power key and Volume of Amplifier - Clean disc or change disc
No picture	- Not turn on TV or incorrect Video mode - Not picture disc - Not connect to Video port - Picture signal wire broken	- Turn on TV, select right Video port - Replaced by picture disc - Connect to Video port - Replaced by a new signal wire
Picture moving up/down	- Incorrect system	- Adjust the correct system in SETUP/TV SYSTEM
Poor quality of audio/picture	- Disc is too dirty or scratched	- Clean disc or change disc
No audio in MIDI play	- Song not have vocal support - The volume is too small - Interrupt audio output - Interrupt the vocal	- Select another song having vocal support - Increase the volume - Turn Mute key to Turn on - Press vocal to turn on the vocal
No Micro volume	- Interrupt Micro - Mic volume is small	- Turn on Micro - Increase Micro volume
Have the howl (feedback)	- Place Micro near TV or amplifier - The volume of Amplifier/TV is too loud	- Move the Microphone away from TV or amplifier - Decrease the volume of Amplifier/TV
Remote not operating (while the keys on device still operate)	- Place battery incorrectly or low battery - Key stuck - Blocked by big obstacles - Control in far distance - Incorrect angle to receive signals	- Check the battery or replace the new battery - Press the key again to rebound - Ensure that there are no obstacles between the device and remote control - Reduce the distance under 10m - Adjust the angle between the device and remote control less than 30 degrees

SPECIFICATIONS

Voltage: 110~220VAC-50/60HZ

Power Consumption: 60W

Weight: 6.3Kg

Compatible with: DVD/DVD-R/SVCD/ VCD/CD-R/ CD-RW/Mp3/WMA/Mp4 & Jpeg

Output	Video		1VP-P (750)
	S-Video	Y	1VP-P (750)
		C	0.286 VP-P (750)
	Component	Y	1VP-P (750)
		Pb	0.7 VP-P (750)
		Pr	0.7 VP-P (750)
	Audio 5.1CH		2Vrms(max)
Input	Microphone 1,2		10mV(600Ω)